

## REMARKS

### Remark 1:

With all due respect, Applicant submits that the amendments herein overcome the rejections of pending claims 1-20 based on 35 U.S.C. Section 112. In the case of "the UV reactor", Applicant has amended Claim 1 to recite the electromagnetic radiator. In the cases of "the oxidizing species", "the oxidation of water matrix", "the . . . main filter membrane", the definite article "the" is either omitted or converted to a. In the case of Claim 4, the number of the claim has been amended and the dependency changed to that of the independent method claim. In the case of Claim 11, the claim is amended to recite a limitation of the structure of the independent system claim. Terminology is consistent throughout the application and pending claims, and various typographical errors in the originally filed claims have also been corrected in the form of present amendments to the claims.

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## CONCLUSION

Applicant respectfully submits that for all the foregoing reasons, the claimed subject matter describes patentable invention. Furthermore, Applicant submits that the specification is adequate and that the claims are in a condition for allowance. No new matter has been entered.

Applicant hereby respectfully requests Examiner to enter these amendments, find them descriptive of useful, novel and non-obvious subject matter, and authorize the issuance of a utility patent for the truly meritorious, deserving invention disclosed and claimed herein.

Without further, Applicant does not intend to waive any claims, arguments or defenses that they may have in response to any official or informal communication, paper, office action, or otherwise, and they expressly reserve the right to assert any traverse, additional grounds establishing specificity and clarity, enablement, novelty, uniqueness, non-obviousness, or other patentability, etc.

Further, nothing herein shall be construed as establishing indirectly the basis for any prosecution history, file wrapper estoppel, or similar in order to limit or bar any claim of infringement of the invention described herein, either directly or under applicable doctrine of equivalents.

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Respectfully submitted,

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Dated: September 24, 2003

By: \_\_\_\_\_

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**CERTIFICATE OF MAILING**

I hereby certify that this paper and the documents attached hereto are being deposited in a postage prepaid, sealed envelope with the United States Postal Service using First Class Mail service under 37 CFR 1.08 on the date indicated and is addressed to "Commissioner of Patents and Trademarks, Washington, D.C. 20231". Signed: Ray K. Shahani Date  
Mailed: September 24, 2003